



SEQUENCE LISTING

<110> Predki, Paul F.  
Guo, Hong

<120> METHOD FOR THE PREDICTION OF AN EPITOPE

<130> 10959-013-999

<140> 10/622,675

<141> 2003-07-17

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Asn Asn Ile Ile Glu Glu Arg Phe

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Glu Glu Glu Asn Ser Leu Ser Thr Thr Ser Lys Ser

1

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Glu Ser Glu Glu Ser Ser Ser Thr Asn Ser Val Ile

1

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Glu Gln Ala Asp Ser Ser Ser Leu Thr Ser Phe Ser

1

5

10

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Val Met Glu Asn Leu Leu Thr Thr Ala Gly Val Ser  
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Thr Asp Glu Gly Ser Tyr Ser Thr Ser Ile Lys Ser  
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Phe Asn Glu Pro Ile Asn Asp Ser Ile Ile Ser Lys  
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Gly Gly Glu Pro Ile Asn Ser Ser Val Ala Ser Asn  
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Lys Asn Glu Pro Tyr Ile Asp Lys Ile Ile Ser Lys  
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Phe Asn Glu Thr Ile Asn Lys Ile Ile Glu Ser Lys  
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Gly Leu Asn Asn Ile Ile Glu Glu Arg Phe Glu Glu  
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Ala Ser Asn Asp Ile Ile Glu Glu Lys Phe Tyr Asp  
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Thr Ile Asn Lys Ile Ile Glu Glu His Asp Thr Pro  
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Asn Gln Asn Val Lys Ile Glu Glu Ser Ser Glu Pro  
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Asn Leu Phe Asn Asn Arg His Glu Asn Phe Asp Glu  
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Thr	Asp	Gly	Leu	Asn	Asn	Ile	Ile	Glu	Glu	Arg	Phe	Glu	Glu	Ala	Thr
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Asp	Phe	Ile	Leu	Asp											
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Ser	Val	Ala	Ser	Asn	Asp	Ile	Ile	Glu	Glu	Lys	Phe	Tyr	Asp	Glu	Gln
1				5				10						15	
Gly	Asn	Glu	Leu	Ser											
			20												

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<400> 19

Lys	Asp	Phe	His	Arg	Asn	Lys	Ile	Glu	Ser	Val	Leu	Asn	Glu	Thr	Thr
1				5				10						15	
Lys	Leu	Met	Asn	Asp											
			20												

<210> 20

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<400> 20

Phe	His	Lys	Asn	Tyr	Asn	Lys	Val	Val	Glu	Lys	Thr	Glu	Pro	Tyr	Ile
1				5					10					15	
Asp	Lys	Ile	Ile	Pro											
			20												

<210> 21

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<400> 21

Ser	Ser	Ser	Thr	Asn	Ser	Val	Ile	Glu	Glu	Ser	Ser	Glu	Pro	Lys	Ile
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Ser	Lys	Leu	Glu	Asn											
			20												

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<400> 22

Thr Asp Gly Leu Asn Asn Ile Ile Glu Glu Arg Phe Glu Glu Ala Thr  
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Asp Phe Ile Leu Asp  
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<213> Yeast

<400> 23

Thr Asn Gly Arg Asn Ile Ile Ile Glu Glu Ile Glu Ala Ser Arg Thr  
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Ser Phe Thr Leu Tyr  
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<400> 24

Thr Asp Tyr Leu Lys Asn Ile Ile Val Glu Asn Ser Gly Thr Ser Gly  
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Asp Glu Asp Val Asp  
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<213> Yeast

<400> 25

Arg Asp Tyr Leu Asn Ser Tyr Ile Glu Glu Arg Leu Gln Glu Glu His  
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Leu Asp Ile Asn Asn  
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<400> 26

Lys Thr Asp Leu Val Asn Phe Ile Glu Glu Arg Phe Lys Thr Phe Cys  
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Asp Glu Glu Leu Glu  
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<213> Yeast

<400> 27  
 Thr Val Leu Glu Asn Lys Lys Ile Glu Glu Gly Lys Glu Thr Ala Val  
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 Asp Arg Glu Glu Asp  
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<210> 28  
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<400> 28  
 Ile Glu Gly Leu Asn Ile Ile Ser Ser Gly Thr Phe Glu Ser Leu Gln  
 1 5 10 15  
 Asp Phe Val Leu Gln  
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<400> 29  
 Thr Asp Ala Ser Asn Gly Tyr Asp Glu Glu Leu Pro Glu Glu Glu Gln  
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 Glu Phe Ser Asp Asp  
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<210> 30  
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<400> 30  
 Ser Tyr Tyr Leu Asn Cys Ile Ile Glu Glu Asn Phe Lys Glu Met Thr  
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 Arg Lys Leu Gln Arg  
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<400> 31  
 Gly Gln Phe Leu Glu Asn Phe Leu Glu Leu Asn Leu Asn Glu Val Thr  
 1 5 10 15  
 Asp Leu Ile Arg Asp  
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<210> 32  
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<400> 32

Thr Leu Ser Ala Gly Asn Ala Cys Pro Gly Trp Asp Glu Asp Ala Asn  
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 Asp Asp Ile Leu Asp  
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<210> 33  
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<400> 33  
 Thr Asp Ile Phe Lys Asn Cys Leu Glu Asn Gln Phe Glu Ile Thr Asn  
 1 5 10 15  
 Leu Lys Ile Leu Phe  
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<400> 34  
 Asp Asp Asp Asp Asp Asp Glu Asp Glu Glu Glu Glu Glu Val Thr  
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 Asp Gln Leu Glu Asp  
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<210> 35  
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<400> 35  
 Val Asp Gly Lys Gly Asn Glu Thr Glu Glu Asp Asp Ile Lys Phe Ile  
 1 5 10 15  
 Lys Gly Ile Leu Asp  
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<400> 36  
 Asp Asp Gly Leu Pro Asn Gly Ile Thr Leu Ile Gly Lys Lys Phe Thr  
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 Asp Tyr Ala Leu Leu  
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<210> 37  
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<400> 37  
 Thr Ile Ser Leu Ile His Glu Ile Glu Lys Ile Phe Glu Glu Asp Ile

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His Phe Glu Gln Asn			
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<210> 38  
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<400> 38									
Phe Gln Gly Gly Leu Asp Ile Ile Lys Glu Ser Leu Glu Glu Asp Pro									
1	5	10	15						
Asp Phe Leu Gln His									
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<210> 39  
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<400> 39									
Thr Asp Tyr Leu Phe Asp Tyr Arg Glu Val Leu Glu Ser Leu Gly Leu									
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Asp Ile Ile Leu Asp									
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<400> 40									
Gln Phe Leu Leu Ser Lys Ile Ile Glu Ala Arg Ile Ser Gly Ala Phe									
1	5	10	15						
Phe Glu Ile Trp Asp									
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<400> 41									
Thr Glu Phe Tyr Asn Asn Tyr Ser Met Gln Val Arg Glu Asp Glu Arg									
1	5	10	15						
Asp Tyr Ile Leu Asp									
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<210> 42  
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<400> 42									
Lys Phe Gly Arg Val Leu Arg Cys Asp Thr Asp Gly Leu Asn Asn Ile									
1	5	10	15						



Ile Glu Glu Arg Phe Glu Glu Ala Thr Asp Phe Ile Leu Asp Ser Phe  
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 Glu Glu Trp Ser Asp Glu Glu  
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<210> 43  
 <211> 39  
 <212> PRT  
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<400> 43  
 Asn Asn Val Arg Lys Thr Tyr Arg Pro Leu Asp Ala Asp Ile Ile Ile  
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 Ile Glu Glu Ile Pro Glu Arg Glu Gly Leu Leu Phe Lys His Ala Asn  
 20 25 30  
 Tyr Leu Val Lys His Leu Ile  
 35

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<400> 44  
 Arg Arg Asn Asp Ile Leu Ser Asn Ser Gln Asp Lys Ser Leu Asn Pro  
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 Val Lys Glu Arg Glu Arg Lys Leu Asn Lys Phe Ser Glu Asn Gln His  
 20 25 30  
 Arg Glu Asn Glu Ala His Lys  
 35

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<400> 45  
 Leu Pro Ile Ile Glu Tyr Glu Asp Leu Asp Glu Thr Ile Asn Lys Ile  
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 Ile Glu Glu His Asp Thr Pro Leu Val Gln Tyr Ile Phe Ser Asp Ser  
 20 25 30  
 Gln Thr Glu Ile Asn Arg Ile  
 35

<210> 46  
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<400> 46  
 Asn Ser Gly Gly Glu Pro Ile Asn Ser Ser Val Ala Ser Asn Asp Ile  
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 Ile Glu Glu Lys Phe Tyr Asp Glu Gln Gly Asn Glu Leu Ser Pro Arg  
 20 25 30  
 Asn Tyr

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<213> Yeast

<400> 47  
Ser Arg Gly Gly Ser Glu Asp Gly Ala Thr Lys Lys Leu Lys Lys Glu  
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Lys Glu Arg Arg Phe Lys Ile Ala Leu Ser Gly Gly Ser Leu Ile Gln  
20 25 30  
Val Leu His Glu Gly Leu Leu  
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Asn Phe Ser Lys Pro Asp Val Lys Thr Tyr Asp Pro Arg Thr Val Asp  
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Ile Glu Glu Glu Leu Ala Ala His Gln Arg Glu Leu Glu Gln Asn Leu  
20 25 30  
Lys Asp Gly Asp Tyr Asn Leu  
35

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Gln Ala Asp Gln Thr Pro Glu Asp Leu Asp Met Glu Asp Asn Asp Ile  
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<400> 50  
Thr Lys Asp Leu Lys Asn Ile Lys Ser Val Thr Asn Gln Asn Val Lys  
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Ile Glu Glu Ser Ser Ser Thr Asn Ser Val Ile Glu Glu Ser Ser Glu  
20 25 30  
Pro Lys Ile Ser Lys Leu Glu  
35